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ART 3:1/2017**

## Patent Claims

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1. A window-winding arrangement (1), in particular for the side pane (2) of a motor vehicle, which comprises a drive means (5) as well as a guide means for the drive and for guiding a pane (2) belonging to the window-winding arrangement, characterised in that the drive means and guide means is designed in a manner such that the drive force for movement is applied onto the pane such that this (4.1; 4.2) independently of its movement direction is always pressed against a certain guide edge (6c) of the guide means.

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2. A window-winding arrangement according to claim 1, characterised in that a first (7.1) and a second (7.2) force engagement point of the drive means (5) is provided on the pane (2) wherein with the drive (4.1) of the drive means in a first direction the first force engagement point (7.1) is loaded greater and with the drive in a second (4.2) direction opposite to the first direction the second force engagement point (7.2) is loaded greater.

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3. A window-winding arrangement according to one of the preceding claims, characterised in that the pane (2) is driven by a linear element (8) belonging to the drive means.

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4. A window-winding arrangement according to claim 3, characterised in that the linear element (8)

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is a chain, a pull cable, a belt, a toothed belt,  
a rack or likewise.

- 5           5.    A window-winding arrangement according to one of  
the preceding claims characterised in that the  
pane (2) is guided in a front or a rear side door  
(9) or in a rear door of a motor vehicle.
- 10           6.    A window-winding arrangement according to claim  
5, characterised in that the vehicle door  
comprises an inner part of plastic and/or metal  
for carrying parts of the drive means.
- 15           7.    A window-winding arrangement according to one of  
the preceding claims, characterised in that the  
pane (2) on its lower side comprises at least  
one, preferably one or two fixation parts (10)  
belonging to the pane for moving the pane.
- 20           8.    A window-winding arrangement according to claim  
7, characterised in that the fixation part (10)  
is clipped, clamped, glued and/or screwed to the  
remaining pane (2).
- 25           9.    A window-winding arrangement according to claim 7  
or 8, characterised in that the fixation part  
(10) comprises two fastening points for the  
linear elements (8), said points being distanced  
to one another and representing in each case  
30           force engagement points (7.1; 7.2) for opposite  
movement directions (4.1; 4.2).
- 35           10.   A window-winding arrangement according to one of  
the claims 3 to 9, characterised in that the  
drive means (5) comprises deflection pieces,

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designed as rollers (11) or likewise for  
deflecting linear elements (8).

- 5            11. A window-winding arrangement according to one of  
the claims 5 to 10, characterised in that the  
motor vehicle door (9) preferably centrally and  
below the window opening (11) comprises a rail  
for guiding the fixation part.
- 10           12. A motor vehicle door containing a window-winding  
arrangement according to one of the preceding  
claims.